

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-009289**Date Inspected:** 02-Oct-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 645**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1845**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Xu Xian Ping**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG & TOWER Components**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, Sandeep Kumar was present during the times noted above for observations relative to the work being performed.

BAY 2

This QA Inspector observed the following work in progress:

FCAW process welding of weld joint # 016 located on Floor Beam FB3055 – 001. Welder is identified as 206358.

ZPMC QC is identified as Yang Qing Feng. The welding variables recorded by QC appeared to comply with the WPS – B – T – 2132 – 3.

FCAW process welding of weld joint #036 located on Floor Beam FB6501 – 001. Welder is identified as 045203.

ZPMC QC is identified as Yang Qing Feng. The welding variables recorded by QC appeared to comply with the WPS – B – T – 2232 – Tc – U4b – F.

FCAW process welding of weld joint # 002 located on Floor Beam FB3055 – 001. Welder is identified as 206358.

ZPMC QC is identified as Yang Qing Feng. The welding variables recorded by QC appeared to comply with the WPS – B – T – 2133.

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BAY 5

This QA Inspector observed the following work in progress:

FCAW process welding of weld joint # 008 located on Traveler Rail 10TR3 – 012. Welder is identified as 069712.

ZPMC QC is identified as Zhong Chong Biao. The welding variables recorded by QC appeared to comply with the WPS – B – T – 2132.

FCAW process welding of weld joint # 012 located on Traveler Rail 11TR2 – 014. Welder is identified as 058714.

ZPMC QC is identified as Zhong Chong Biao. The welding variables recorded by QC appeared to comply with the WPS – B – T – 2132.

FCAW process welding of weld joint # 012 located on Traveler Rail 10TR3 – 019. Welder is identified as 068753.

ZPMC QC is identified as Zhong Chong Biao. The welding variables recorded by QC appeared to comply with the WPS – B – T – 2132.

FCAW process welding of weld joint # 011 located on Traveler Rail 11TR2 – 015. Welder is identified as 217185.

ZPMC QC is identified as Zhong Chong Biao. The welding variables recorded by QC appeared to comply with the WPS – B – T – 2132.

BAY 6

Tower

Green Tags

The following green tag issued for TOWER component after completing the NDT requirements are:

TOWER DIAPHRAGM – 123M

NSD1 – 123M – Green Tag # 009251

This QA Inspector observed the following work in progress:

SMAW process welding of weld joint #7B located on Tower Strut WD1 – A305 – 53M – 4. Welder is identified as 067707. ZPMC QC is identified as Zhang Bao Bo. The welding variables recorded by QC appeared to comply with the WPS – 485 – SMAW – 2G (2F) – FCM – Repair – 1.

Cross Beam – 8

This QA Inspector observed the following work in progress:

SMAW process welding of weld joint #126 located on Cross Beam CB202G – 020. Welder is identified as 070007. ZPMC QC is identified as Zhou Jie. The welding variables recorded by QC appeared to comply with the WPS – B – P – 2112.

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SMAW process welding of weld joint #128 located on Cross Beam CB202G – 020. Welder is identified as 070007. ZPMC QC is identified as Zhou Jie. The welding variables recorded by QC appeared to comply with the WPS – B – P – 2112.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

No Relevant Conversations.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang - 15000422372, who represents the Office of Structural Materials for your project.

Inspected By:	Kumar,Sandeep	Quality Assurance Inspector
Reviewed By:	Whitehead,Lonnie	QA Reviewer
